

Catalogus Insectorum Sueciae. Hymenoptera, Apoidea.

1. Colletidae and Melittidae

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Erlandsson, S., Janzon, L.-Å. & Svensson, B. G.: Catalogus Insectorum Sueciae. Hymenoptera, Apoidea. 1. Colletidae and Melittidae. [Catalogus Insectorum Sueciae. Hymenoptera, Apoidea. 1. Colletidae och Melittidae.] – Ent. Tidskr. 109: 161–163. Umeå, Sweden 1988. ISSN 0013-886x.

This catalogue lists the bee species so far found in Sweden. The known provincial records are given for each species. The catalogue will be published in three parts. The first, here presented, deals with the families Colletidae and Melittidae, with 25 and 8 species respectively. *Hylaeus cardioscapus* Cockerell and *Melitta wankowiczi* (Radoszkowski) are here recorded from Sweden for the first time.

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No complete catalogue with distribution of Swedish bees has been published since that of Aurivillius (1903), now in many respects out of date. New species have since that time been recognized and added to the Swedish fauna. The knowledge of species distributions is now also more detailed. Hence, an up to date check list together with data on the distribution of the species is badly needed. Aurivillius (1903) listed 211 species and our catalogue comprises about 270 species. Our catalogue will be published in three parts: (1) Colletidae and Melittidae, (2) Andrenidae and Halictidae, and (3) Megachilidae, Anthophoridae, Xylocopidae and Apidae.

This catalogue must be regarded as preliminary, but it is with present knowledge a complete check list of the species so far recorded from Sweden. We have examined bees in most Swedish museums and we also have good communications with the bee collectors, so we think that the list is relevant today.

The classification and nomenclature used in this list is a synthesis of Richards (1978), Westrich (1984) and Vikberg (1986). Many other works also have been consulted. Valuable information con-

cerning these matters, given by different specialists as well as own studies, are included. The species are arranged in alphabetical order within the genera and subgenera (Tab. 1). Notes and comments are given for some species. Only the synonyms found in the Swedish or foreign literature concerning Swedish bee species are given.

Abbreviations: The Swedish provinces follow the order: Sk = Skåne (Scania), Bl = Blekinge, Ha = Halland, Sm = Småland, Öl = Öland, Go = Gotland, Gs = Gotska Sandön, Ög = Östergötland, Vg = Västergötland, Bo = Bohuslän, Ds = Dalsland, Nā = Närke, Sö = Södermanland, Up = Uppland, Vs = Västmanland, Vr = Värmland, Gä = Gästrikland, Dr = Dalarna, Hs = Hälsingland, Hr = Härjedalen, Me = Medelpad, Ån = Ångermanland, Jä = Jämtland, Vb = Västerbotten, Nb = Norrbotten, Ås = Åsele lappmark, Ly = Lycksele lappmark, Pi = Pite lappmark, Lu = Lule lappmark and To = Torne lappmark. ZML = Zoological Museum, Department of Zoology, Lund.

We are indebted to the following specialists who have determined or checked bees and also been of invaluable help in solving nomenclatural questions: Dr H. Dathe, Dr A. W. Ebmer, Dr A. Løken, Dr D. S. Peters, Dr M. Schwarz, Dr B. Tkalců, Mr E. Valkeila (+) and Dr K. Warncke.

Tab. 1. Catalogue of Swedish species of Colletidae and Melittidae. The known provincial records are given for each species.

De i Sverige förekommande arterna av bin i familjerna Colletidae och Melittidae med synonymer och kända landskapsfynd.

Colletidae

Colletes Latreille, 1802

C. (Colletes) Latreille, 1802

1. *marginatus* F. Smith, 1846

..... Sk, Ha-Go, Ög-Bo, Nä-Up

= *balteatus* Thomson, 1872

= *thomsoni* Alfken, 1899

2. *succinctus* (Linnaeus, 1758) Sk-Bo, Nä-Dr

= *balteatus* Nylander, 1852

C. (Simcolletes) Warncke, 1978

3. *daviesianus* F. Smith, 1846 . Sk-Go, Ög-Me, Jä-Nb

4. *fodiens* (Fourcroy, 1785) Sk-Öl, Ög

5. *similis* Schenck, 1853 . Sk, Sm-Go, Ög-Bo, Nä-Dr

= *picistigma* Thomson, 1872

C. (Albocolletes) Warncke, 1978

6. *floralis* Eversmann, 1852

..... Sk, Sm-Go, Ög, Bo, Sö-Up, Gä

= *montanus* F. Morawitz, 1876

= *suecicus* Aurivillius, 1903

7. *impunctatus* Nylander, 1852

..... Sk, Ha-Go, Vs, Dr-Gä, Me-Ly, Lu-To

= *alpinus* F. Morawitz, 1872

C. (Pachycolletes) F. K. Stöckert, 1954

8. *cunicularius* (Linnaeus, 1761)

..... Sk, Ha-Öl, Ög-Vg, Nä-Dr

= *subterraneus* (Linnaeus, 1758) preocc.

Hylaeus Fabricius, 1793

H. (Hylaeus) Fabricius, 1793

9. *annulatus* (Linnaeus, 1758)

..... Sk-Bi, Sm-Go, Ög-Vg, Ds-To

= *borealis* Nylander, 1852

10. *cardioscapus* Cockerell, 1924 Up

= *vallei* (Niemiälä, 1947)

11. *communis* Nylander, 1852

..... Sk-Me, Jä-Nb, Pi-To

12. *angustatus* (Schenck, 1859) Sk-Ds, Sö-Me

= *submarginatus* Thomson, 1872

13. *gracilicornis* (F. Morawitz, 1867) Sö

H. (Prosopis) Fabricius, 1804

14. *confusus* Nylander, 1852 Sk-Me, Jä-Vb

15. *gibbus* Saunders, 1850

..... Sk-Go, Ög-Vg, Ds, Sö-Vs, Dr-Me

= *genalis* Thomson, 1872

16. *pectoralis* Förster, 1871 Sk-Bi, Öl, Vg, Sö

= *kriechbaumeri* Förster, 1871

17. *signatus* (Panzer, 1798) Up

= *pratensis* (Fourcroy, 1785) preocc.

H. (Dentigera) Popov, 1939

18. *brevicornis* Nylander, 1852

..... Sk-Go, Ög-Bo, Nä-Hs, Jä

H. (Paraprosopis) Popov, 1939

19. *pictipes* Nylander, 1852 ... Sk-Go, Ög-Vg, Ds-Dr

20. *sinuatus* (Schenck, 1853) Sk

H. (Patagiata) Blüthgen, 1949

21. *difformis* (Eversmann, 1852)

..... Sk, Sm-Ög, Ds-Vs, Dr

= *marginatus* Thomson, 1870

H. (Lambdopsis) Popov, 1939

22. *annularis* (Kirby, 1802)

..... Sk-Go, Ög-Ds, Vs-Dr, Hs-Me

= *dilatatus* (Kirby, 1802)

23. *pfankuchi* (Alfken, 1919) Bl

24. *rinki* (Gorski, 1852)

..... Bl, Sm-Öl, Ög-Vg, Ds-Dr, Hs, Jä

= *clathratus* Thomson, 1870

H. (Spatulariella) Popov, 1939

25. *hyalinatus* F. Smith, 1842 Sk-Go, Ög-Me, Ån

= *armillatus* (Nylander, 1848)

Melittidae

Melitta Kirby, 1802

26. *haemorrhoidalis* (Fabricius, 1775)

..... Sk-Go, Ög-Vr

27. *leporina* (Panzer, 1799) Sk-Go, Ög, Sö-Up

28. *tricincta* Kirby, 1802 Sk-Bi, Sm-Go

= *melanura* (Nylander, 1852)

29. *wankowiczii* (Radoszkowski, 1890) Go

Dasypoda Latreille, 1802

30. *argentata* (Panzer, 1809) Sk

31. *hirtipes* (Fabricius, 1793)

..... Sk-Go, Vg, Nä-Up, Vr-Dr

= *plumipes* (Panzer, 1797)

= *alterator* (Harris, 1780) nomen dubium

32. *suripes* (Christ, 1791) Sk

= *thomsoni* Schletterer, 1890

Macropis Panzer, 1809

33. *europaea* Warncke, 1973 Sk-Go, Ög, Bo-Gä

= *labiata* sensu auct., nec (Fabricius, 1805).

Notes and comments

7. *C. impunctatus*: Found in northern and southern parts but seemingly absent from central Sweden.

10. *H. cardioscapus*: One female caught in a water-trap at Up, Fågelsundet, 15 July 1982 (in coll. Bo G. Svensson). Not previously recorded from Sweden.

13. *H. gracilicornis*, 16. *H. pectoralis*, 17. *H. signatus*, 20. *H. sinuatus*, 23. *H. pfankuchi*: see Erlandsson (1984).

29. *M. wankowiczii*: One male caught by Dr. L. Anders Nilsson (Go, Mulde, 26 June 1981), foraging on *Campanula persicifolia* flowers (in coll. L. A. Nilsson). Not previously recorded from Sweden.

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Sammanfattning

De i Sverige förekommande gaddsteklarna presenteras i denna katalog med namn och eventuella synonymer samt med den svenska utbredningen landskapsvis. Katalogen kommer att publiceras i tre delar och den föreliggande första delen behandlar familjerna Colletidae och Melittidae med 25 respektive 8 arter. *Hylaeus cardioscapus* Cockereell och *Melitta wankowiczi* (Radoszkowski) har tidigare inte rapporterats från Sverige.

Lokalföreningarnas adresser och kontaktpersoner

I häfte 1 1988 återfinns en mer omfattande sammanställning, som bl a redogör för styrelsernas sammansättning och föreningarnas verksamhet.

Entomologiska föreningen i Dalarna, c/o Björn Cederberg, Kristinebergsg. 5 E, 792 00 Mora. Tel. 0250-169 18. Postgiro 2 44 29-3. Medlemsavgift 30 kr, skolungd. 10 kr, familjemedl. 10 kr/år.

Entomologiska föreningen i Stockholm, Naturhistoriska riksmuseet, Sektionen för entomologi, Box 50007, 104 05 Stockholm. Tel. 08-666 40 00 (Lars-Åke Janzon, Bert Gustafsson). Postgiro 5 42 13-4. Medlemsavgift 10 kr/år.

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